

What is Claimed is:

1. A hinge fastening apparatus comprising a hinge cup, an inner stem housed in an outer sleeve to run through the hinge cup and to be located on an installation side of the hinge cup, and an actuating plate located on an outer side of the hinge cup,
5 wherein:

the hinge cup has flanges extended from two sides thereof, the flange on each side having an aperture;

the inner stem has a first pin hole on one end to pivotally couple with the actuating plate through a pin, and a straight stem section and a conical stem section;

- 10 the outer sleeve has annular teeth on an outer surface, slits formed on the peripheral wall, and a hollow interior which forms a straight bore section and a conical bore section; and

- the actuating plate has second pin holes on an eccentric location of one end thereof to couple with the pin, the eccentric end forming a cam section; the actuating plate is
15 bucking on an outer surface of the hinge cup in a tilted manner;

wherein the outer sleeve houses and couples the inner stem, the one end of the inner stem where the first pin hole is located running through the aperture to couple with the actuating plate outside the flange such that the coupling portion of the outer sleeve and the inner stem is located on an inner side of the flange.

- 20 2. The hinge fastening apparatus of claim 1, wherein the cam section has an inverse angle plane in contact with the flange so that the actuating plate forms the tilted manner.

3. The hinge fastening apparatus of claim 1, wherein the actuating plate has a force applying lever and a recess formed below the force applying lever to receive a hand
25 tool for prying the actuating plate.

4. The hinge fastening apparatus of claim 1, wherein the second pin holes of the actuating plate are slots to allow the actuating plate to be moved for a selected distance after having been turned and coupled to increase restrictive interference of the actuating plate against prying in an inverse direction.
- 5 5. The hinge fastening apparatus of claim 1, wherein the outer sleeve has at least two ratchet teeth of different directions formed on the outer surface thereof.
6. A hinge fastening apparatus comprising a cartridge fastening seat, an inner stem housed in an outer sleeve to run through the cartridge fastening seat and to be located on an installation side of the cartridge fastening seat, and an actuating plate located
10 on an outer side of the cartridge fastening seat, wherein:
- the cartridge fastening seat has flanges extended from two sides thereof, the flange on each side having an aperture;
- the inner stem has a first pin hole on one end to pivotally couple with the actuating plate through a pin, and a straight stem section and a conical stem section;
- 15 the outer sleeve has annular teeth on an outer surface, slits formed on the peripheral wall, and a hollow interior which forms a straight bore section and a conical bore section; and
- the actuating plate has second pin holes on an eccentric location of one end thereof to couple with the pin, the eccentric end forming a cam section; the actuating plate is
20 bucking on an outer surface of the cartridge fastening seat in a tilted manner;
- wherein the outer sleeve houses and couples the inner stem, the one end of the inner stem where the first pin hole is located running through the aperture to couple with the actuating plate outside the flange such that the coupling portion of the outer sleeve and the inner stem is located on an inner side of the flange.
- 25 7. The hinge fastening apparatus of claim 6, wherein the cam section has an inverse

angle plane in contact with the flange so that the actuating plate forms the tilted manner.

8. The hinge fastening apparatus of claim 6, wherein the actuating plate has a force applying lever and a recess formed below the force applying lever to receive a hand tool for prying the actuating plate.
9. The hinge fastening apparatus of claim 6, wherein the second pin holes of the actuating plate are slots to allow the actuating plate to be moved for a selected distance after having been turned and coupled to increase restrictive interference of the actuating plate against prying in an inverse direction.
10. The hinge fastening apparatus of claim 6, wherein the outer sleeve has at least two ratchet teeth of different directions formed on the outer surface.